

Title: A Systematic Review on Removal Efficiency of Heavy Metals from Yamuna Water

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Abstract: Yamuna River fulfils the water needs of various regions of North India. With the increasing level of pollution, the Yamuna River is declared as one of the polluted rivers in India. Numerous researches have reported the heavy metal presence in Yamuna River. Hence, we have focused our review towards analysing the heavy metals present in Yamuna River Basin and their concentration level during pre-pandemic and post-pandemic period. Delhi being the main polluter city causes the cloud formation (froth) and as a consequence a health risk among children and adults. Mathura and Agra are equally responsible in polluting the Yamuna River. Further, we have also included the role of microalgae as a promising solution for heavy metal removal. Altogether, this review will help the future researchers towards identifying potential approaches for water remediation.

Keywords: Heavy metals; Froth; Removal efficiency; Yamuna River.

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